

Claims

1. Printing press (DM), which features at least:
 - one print unit (DE, DE1, DE2, DE3, DE4)
 - one drive unit (A, A1-A29), which is assigned to the print
5 unit (DE, DE1, DE2, DE3, DE4)
 - a control unit (RE, RE1-RE29) for at least regulating one drive unit (A, A1-A29)
 - and a print mark measuring device and/or register mark measuring device (ME, ME1, ME2, ME3, ME4, ME5) and/or a register
10 measuring device (RME)characterized in that,
the print mark measuring device (ME, ME1, ME2, ME3, ME4, ME5) and/or
the register mark measuring device and/or the register
measuring device (RME) are directly connected by a means (DS)
15 for signal transmission to the control unit (RE, RE1, RE20, RE21)
which is provided for at least regulating one drive unit (A, A1-A29).
2. Printing press in accordance with claim 1,
characterized in that the print mark measuring device
20 (ME4) and/or the register mark measuring device and/or the register measuring device (RME) features an evaluation unit (AE).
3. Printing press in accordance with claim 1,
characterized in that, the control unit (RE) features
25 an integrated evaluation unit (AE1).
4. Printing press in accordance with one of the previous claims,
characterized in that a correction factor (KW) can be
calculated by the control unit (RE, RE1, RE20, RE21) to regulate
30 the movement of at least one drive unit (A, A1-A29).
5. Printing press in accordance with one of the previous

claims,
characterized in that a field bus system or a serial link is provided as means (DS) for signal transmission.

6. Printing press in accordance with one of the previous
5 claims,
characterized in that the control unit
(RE1,RE20,RE21,RE30), which is provided at least for regulating
one drive unit (A1,A20,A21,A30) has a master functionality with
regard to further drive units (A2-A10, A12-A19, A22-A29, A31-
10 A34) or with regard to further control units (RE2-RE10, RE12-
RE19, RE22-RE29, RE31-RE34).

7. Control unit (RE,RE1,RE20,RE21) for regulating a drive unit
(A,A1-A29) of a printing press (DM) in accordance with one of
the previous claims,
15 characterized in that the control unit
(RE,RE1,RE20,RE21) features a signal interface (SNR) for input
of a signal of a print mark measuring device
(ME,ME1,ME2,ME3,ME4,ME5) and/or a register mark measuring
device and/or of a register measuring device (RME).

20 8. Control unit (RE,RE1,RE20,RE21) in accordance with claim 7,
characterized in that the control unit
(RE,RE1,RE20,RE21) is provided for determining a correction
factor (KW) from the signal of the print mark measuring device
(ME,ME1,ME2,ME3,ME4,ME5) and/or register mark measuring device
25 or the signal of a register measuring device (RME) for
regulating the movement of at least one drive unit (A,A1-A29).

9. Method for operation of a printing press in accordance with
one of the claims 1 to 6,
characterized in that a print mark signal (DMS) and/or the
30 register mark signal is transmitted from the print mark
measuring device (ME,ME1,ME2,ME3,ME4,ME5) and/or the register

mark measuring device to the control unit (RE, RE1, RE20, RE21) or that a register measuring signal (RMS) is transmitted from the register measuring device (RME) to the control unit (RE1).

10. Method in accordance with claim 9,
- 5 characterized in that a correction factor (KW) for regulating the movement of at least one drive unit (A, A1-A29) is calculated by the control unit (RE, RE1, RE20, RE21) from the print mark signal (DMS) or from the register mark signal or from the register measuring signal (MS).